

CLAIMS

1 ✓ 1. A circuit for removing noise on a voltage input
2 line, comprising:
3 a ferrite bead connected in said voltage input line; and
4 a bulk capacitor connected between an output side of said
5 ferrite bead and ground.

6
7 2. The circuit according to claim 1, wherein said
8 capacitor is a D case tantalum bulk capacitor.

1 3. The circuit according to claim 2, wherein said
2 capacitor has a resistance of 0.8 ohms.

3 4. The circuit according to claim 1, wherein the ferrite
4 bead has a resistance of 0.3 ohms.

5 ✓ 5. A voltage supply device comprising:
6 a voltage source including a voltage regulator section
7 producing a voltage output;
8 a ferrite bead connected at one side to said voltage
9 output and forming at another side an output;
10 a capacitor connected between said output and ground;
11 switching regulator noise from said voltage regulator section
12 being removed by said ferrite bead and capacitor.

1 6. The voltage supply device according to claim 5,
2 wherein said capacitor is a D case tantalum bulk capacitor.

3 7. The voltage supply device according to claim 5,
4 wh rein said capacitor has a resistance of 0.8 ohms.

1 8. The voltage supply device according to claim 5,
2 wherein the ferrite bead has a resistance of 0.3 ohms.

1 ✓ 9. A method of removing switching regulator noise from a
2 voltage supply line, comprising:

3 connecting a ferrite bead in said voltage input line;
4 connecting a bulk capacitor between an output side of
5 said ferrite bead and ground.

1 10. The method according to claim 9, wherein said
2 capacitor is a D case tantalum bulk capacitor.

1 11. The method according to claim 10, wherein said
2 capacitor has a resistance of 0.8 ohms.

1 12. The method according to claim 9, wherein the ferrite
2 bead has a resistance of 0.3 ohms.

1 ✓ 13. A voltage source for a clock circuit, comprising:
2 a voltage regulator having an output;
3 a ferrite bead connected to said output of said voltage
4 regulator and having an output;
5 a bulk capacitor connected to said output of said ferrite
6 bead at one side and ground at another side;

